CML INNOVATIVE TECHNOLOGIES
WHERE INNOVATION COMES TO LIGHT

Compact LED Engine

Light Source

- 1 High Power Light Emitting Diode (3 Watt LED)
- Similar output as 10 Watt incandescent bulb
- Colors: Cool White, Warm White, Red and Cyan

Model-ILL5A0002

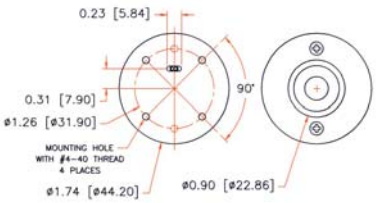
- 1.74” (44.2mm) round compact source
- High efficiency optics: 5 or 25 degrees (see “Photometric Data”)
- Uses host system for thermal management*
- For Vehicle Interior Lighting, Landscape Lighting, Architectural Lighting, Portable Lighting, Task Lighting, Track Lighting, Point of Purchase, Cabinet and Display Case Lighting

Features:

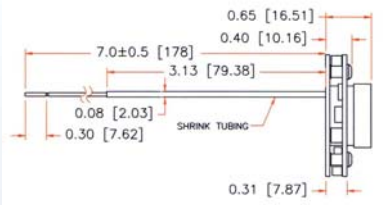
- Compact light engine for compatibility with broad range of host light fixtures/luminaries
- Low power consumption: Less than 4 Watts
- Input Power: 10 – 30 VDC
- Long Life – 50,000 hours (requires proper heat sink with fixture installation*)
- Color temperature and light output remain constant over entire voltage range
- No IR or UV emissions
- Spike/transient protection
- EMI filtering
- Shock & vibration resistant

Application Example

Specifications



Model:	ILL5A0002B	ILL5A0002C
Color:	Cool White (5500K)	Warm White (3300 K)
Input Current: @ 12V	325mA	250mA
Net Weight: Typical	24g (0.85 oz)	

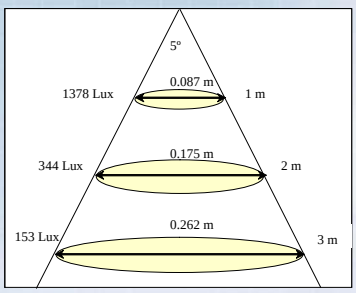


Model:	ILL5A0002G	ILL5A0002D
Color:	Red: 625nm typical	Cyan: 505nm typical
Input Current: @ 12V	250mA	325mA
Net Weight: Typical	24g (0.85oz)	

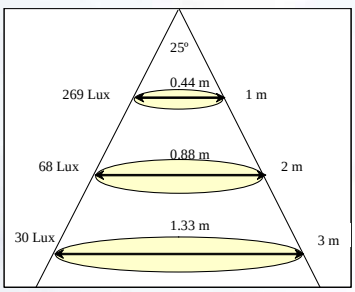
Other Operating Specifications:

- Operating temperature: -40 to +55 °C
- Projected life: 50,000 hours (70% lumen maintenance)
- Low thermal resistance: 32 °C/W
-* Additional heat sinking required, refer to CML technical support for thermal management guidelines

Photometric Data



Model: ILL5A0002B 5° Cool White



Model: ILL5A0002B 25° Cool White

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